

NEW GUINEA IMPATIENS PLANT NAMED FISNICS ZORRED

Genus and species of the plant claimed:

Impatiens hawkeri W. Bull (hybrid)

Variety Denomination:

5 Fisnics Zorred

Background of the Invention

The present invention comprises a new and distinct cultivar of New Guinea
Impatiens, botanically known as *Impatiens hawkeri* W.Bull, and hereinafter referred to
10 by the cultivar name 'Fisnics Zorred'.

'Fisnics Zorred' is a product of a planned breeding program and originated from a
hybridization made by the inventor, Birgit C. Hofmann, in a controlled breeding program
in Hilscheid, Germany, in 2000.

The female parent was the variety 'Harmony Super Red' (unpatented),
15 characterized by deep red, round flowers, medium green foliage, and about medium
sized, relatively dense plant habit.

The male parent was the variety 'Fisnics Scarlet Blush' (U.S. Plant Patent No.
13,227), having scarlet flowers with a small purple eye at the center, dark green leaves
with reddish under side, and compact to medium growth habit.

20 'Fisnics Zorred' was discovered and selected as one flowering plant within the
progeny of the stated cross by the inventor in April 2001 in a greenhouse in Galdar,
Canary Islands, Spain.

The first act of vegetative or asexual reproduction of 'Fisnics Zorred' was
accomplished when cuttings were taken from the initial selection in July 2001 in a

controlled environment in Galdar, Gran Canaria, Spain, by, or under the supervision of the inventor.

Horticultural examination of plants grown from these cuttings initiated in spring of 2002 in Hillscheid, Germany, and continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed for 'Fisnics Zorred' are firmly fixed and are retained through successive generations of asexual reproduction.

'Fisnics Zorred' has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length, without, however, any variation in genotype.

The following observations, measurements, and comparisons describe plants grown in Hillscheid, Federal Republic of Germany, under greenhouse conditions which approximate those generally used in commercial practice.

Brief Summary of the Invention

The following traits have been repeatedly observed and are determined to be basic characteristics of 'Fisnics Zorred', which in combination distinguish this *Impatiens* as a new and distinct cultivar :

1. brilliant, orange-red flower color;
2. large, round flowers, flat to slightly cup-shaped;
3. intense medium green foliage, and long, narrow leaves;
4. medium growth habit, round, dense and very well branched plant habit;
5. early flowering response, and floriferous throughout the summer; and
6. suitable both for early sale as flowering pot plant and for outdoor bedding plant.

Of the many commercial cultivars known to the inventor, the most similar in comparison to 'Fisnics Zorred' is the parental variety 'Harmony Super Red', and the commercial variety 'Celebrette Scarlet' (U.S. Plant Patent No. 10,110).

5 In comparison to 'Harmony Super Red', 'Fisnics Zorred' has flowers that are flatter in shape and have a somewhat less pure red hue, and more orange-red in color. Furthermore, the leaves of 'Fisnics Zorred' are unusually narrow in shape, while 'Harmony Super Red' has distinctly wider, elliptically to ovate shaped leaves.

In comparison to 'Celebrette Scarlet', 'Fisnics Zorred' has a similar flower color, but larger flowers, longer and narrower leaves, and less compact plant habit.

10 **Brief Description of the Drawings**

The accompanying photographic drawing shows typical flower and foliage characteristics of 'Fisnics Zorred' with colors being as true as possible with illustrations of this type. The photographic drawing shows a side view of a typical flowering plant of 'Fisnics Zorred'.

15 **Detailed Botanical Description**

In the following description color references are made to the Royal Horticultural Society Colour Chart (RHS). The color values were determined indoors from plants grown in HILLScheid, Federal Republic of Germany, under greenhouse conditions which approximate those generally used in commercial practice.

20 The description is based on plants which were planted as rooted cuttings in 12 cm pots in late February 2003, and then grown in the greenhouse at 16° C minimum temperature. Most observations and measurements were made after the beginning of flowering in mid May, when the plants were about 12 weeks old.

PLANT

General appearance and form :

- Plant habit: Medium sized, rounded foliage canopy, dense and very well-branched; growth is indeterminate, though weak after begin of flowering
- Height: 17.9 cm
- Width: 29.0 cm
- Number of branches: - 14.5
- Length of branches: -13 cm
- Internode length: 3.5 – 4.5 cm
- Diameter of branches: 7-8 mm
- Stem color: Brownish-red, RHS 182 A
- Propagation: Terminal tips for cuttings
- Rooting: Roots initiate in about 18 days at 22° C, from sticking to transplanting
- Cultivation time: It takes about 9-10 weeks of growing time to produce a marketable flowering plant in a 12 cm container

Foliage :

- Leaf arrangement: Primarily in whorls
- Leaf shape: Lanceolate to elliptic, unusually narrow, with acuminate base and acute to acuminate tip
- Surface: Weakly glossy and almost smooth to slightly rippled,
- Margin: Weakly serrated, ciliated
- Leaf length: 13.0 – 14.5 cm
- Leaf width: 2.5 – 3.0 cm

Upper surface color: Deep medium green, uniform, no variegation, mature

leaves RHS 137 B to 137 C, young leaves between RHS
137 C and 141 C

Veins on upper surface: Pink, RHS 54 B

5 Lower surface color: Light green, RHS 138 B (both young and mature
leaves)

Veins on lower surface: Purple, RHS 53 A

Petiole: 20-30 mm in length, 3 mm in diameter

Petiole color: Upper side pink, RHS 54 A, lower side RHS 53 B

10 INFLORESCENCE

Flowering response: 9 weeks after planting of rooted cuttings

Flowering season: Generally indeterminate, mainly from March to October,
depending on light intensity

Flower:

15 Number of flowers per node: 8-10, in various stages of development

Form of corolla: Single-type, 5 petals

Corolla shape: Round, with the petals well overlapping, almost flat or very
weakly cup-shaped

Corolla size:

20 Average length: 72 mm

Average width: 73 mm

Depth of corolla: 10 mm

Shape of petals: Cordate, slightly lobed at the top end

Top petal: 35 mm long, 52 mm wide

25 Lateral petals 35 mm long, 33 mm wide

- Lower petals: 34 mm long, 45 mm wide
- Texture: Smooth, velvety
- Aspect: Mostly flat, occasionally somewhat wavy, banner
petal may appear faintly cupped
- 5 Color (general tonality from a distance of three meters): Orange-red, brilliant,
uniform
- Ground color of upper surface: RHS 44 B, no markings
- Color of eye zone: RHS 44 B
- Color of lower surface: RHS 43 B
- 10 Spur color: Pink, RHS 53 C
- Spur shape and size: Downwardly curved, 55-60 mm long, 3 mm in diameter at
the flower end
- Pedicel length: 45-52 mm
- Pedicel color: Reddish, RHS 53 B
- 15 Flower bud: Ovoid shape, 24 mm in length, 16 mm in width, main color
RHS 42 A
- Reproductive organs:
- Stamens: 5 in number, upper surface color is mainly RHS 44 A
- Anthers: Fused, hooded
- 20 Pollen: Whitish-yellow, about RHS 8 D
- Style and stigma: 5 in number, very short, pale yellowish, about RHS 150 D
- Ovary: 5-celled, 5 mm long, surface color green, RHS 137 A
- Disease/Pest Resistance/Susceptibility: No observations to date